APPROVED | O.G. FIG.
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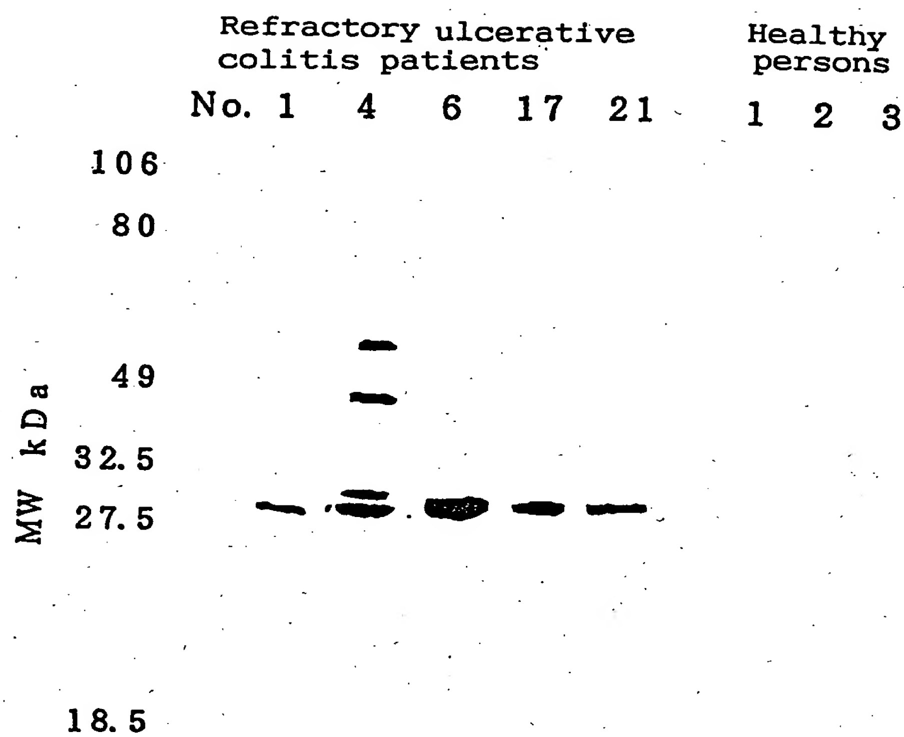
09/214881

FIG. 1



ATTORNEY'S U.S. FIG.
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FIG.2

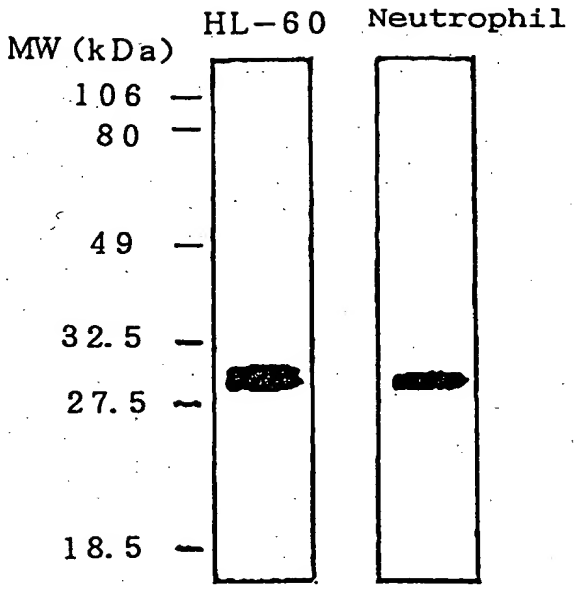

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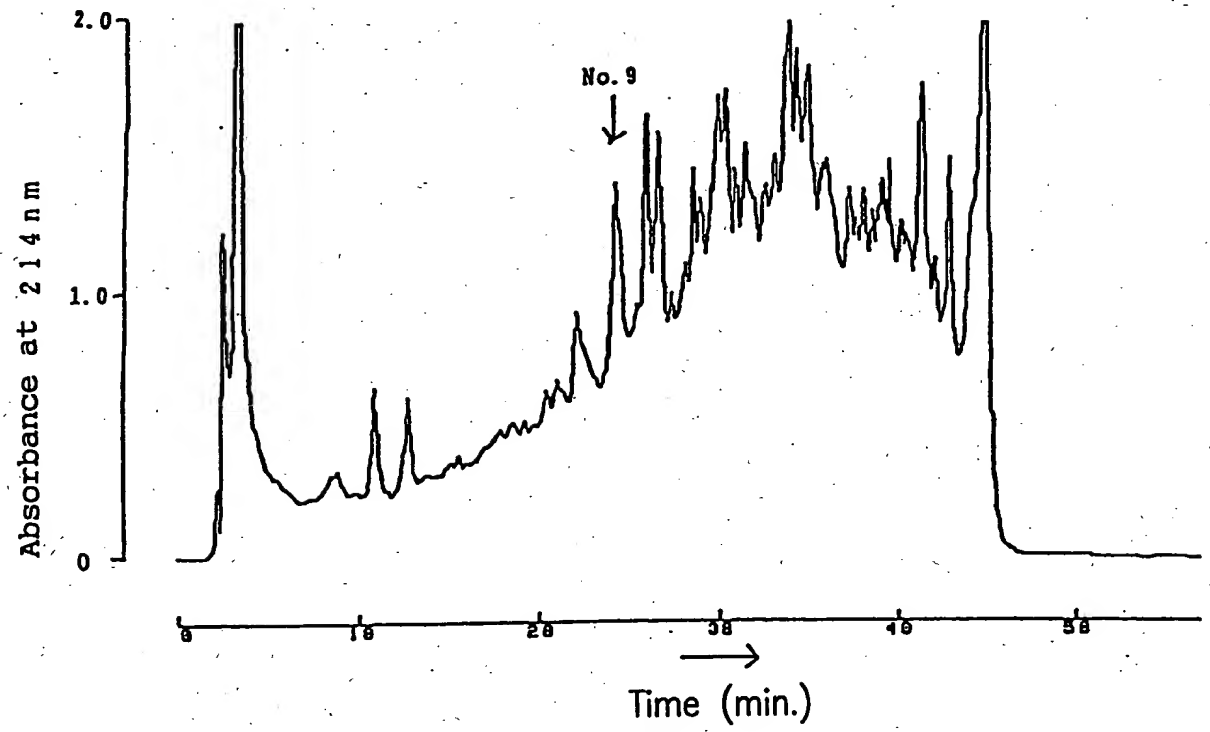
FIG.3



Elution conditions Column: YMC-ProteinRP、250X4.6mmID, 5μm

Flow rate : 1.5ml/min.

Elution : A :0.1%TFA、 B : 80%CH₃CN/0.1%TFA

20%B→60%B/40min

Detection : 214nm

09/214881 PCT/JP98/02560

O.G. FIG.
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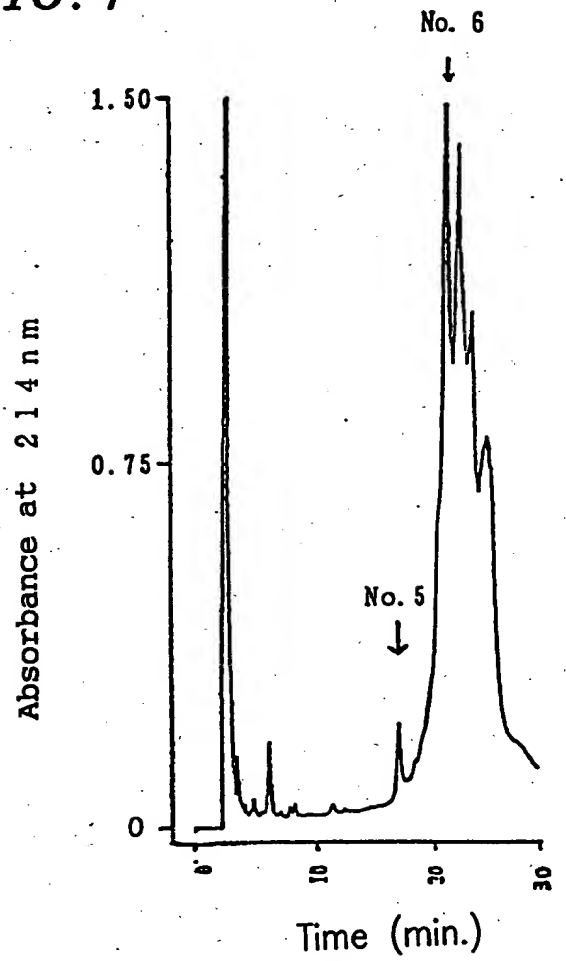
FIG. 4



Elution conditions Column: YMC-ProteinRP、250X4.6mmID, 5μm

Flow rate: 1.5ml/min.

Elution: A:0.1%TFA、B: 80%CH_3CN/0.1%TFA

30%B→45%B/30min

Detection: 214nm

6X050-F88h-F260

PRINTED O.G. FIG.
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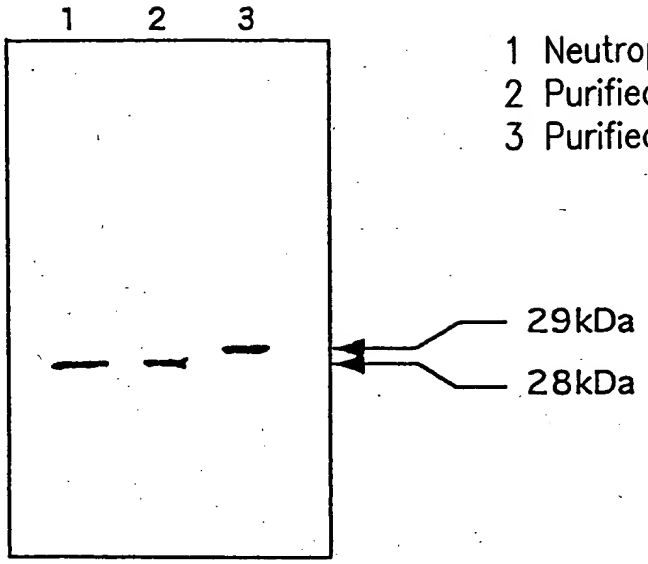
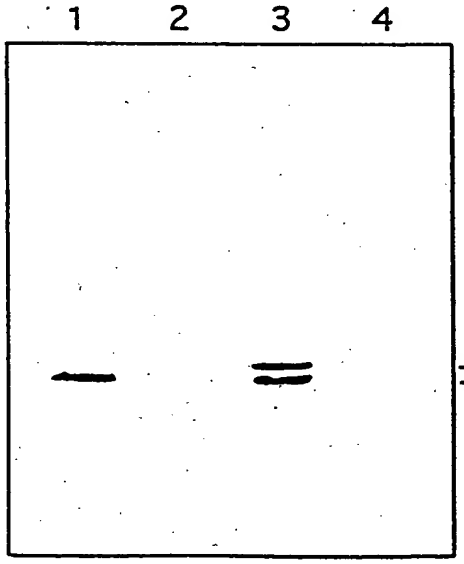
FIG. 5



1 Neutrophil lysate
2 Purified 28kDa antigen
3 Purified 29kDa antigen

FIG. 6



1 Neutrophil lysate
2 Primary antibody absorbed with bovine HMG-1 and HMG-2 in the experiment of lane 1.
3 HMG-1 and HMG-2 purified from HL-60
4 Primary antibody absorbed with bovine HMG-1 and HMG-2 in the experiment of lane 3.

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O.G. FIG.
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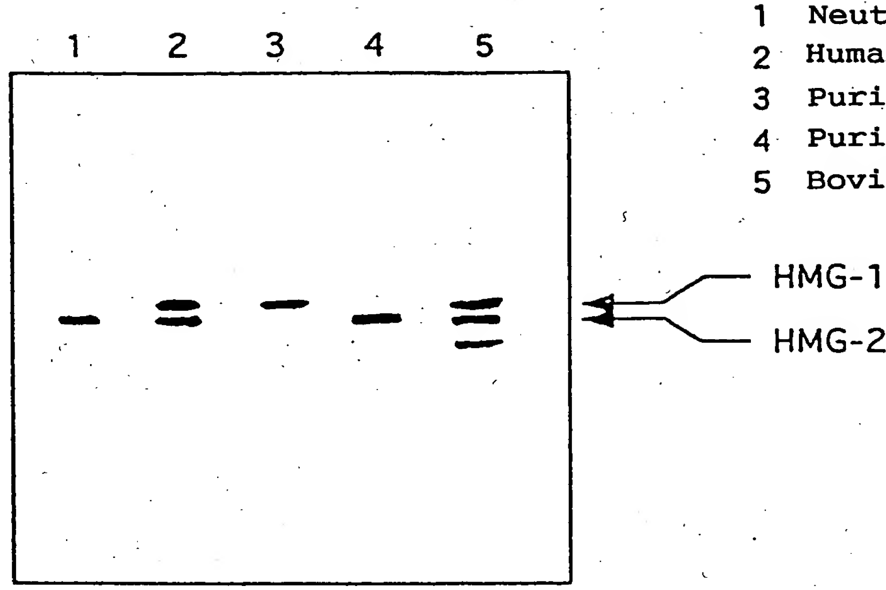
FIG. 7



1 Neutrophil lysate
2 Human HMG-1, HMG-2
3 Purified swine HMG-1
4 Purified swine HMG-2
5 Bovine HMG-1, HMG-2

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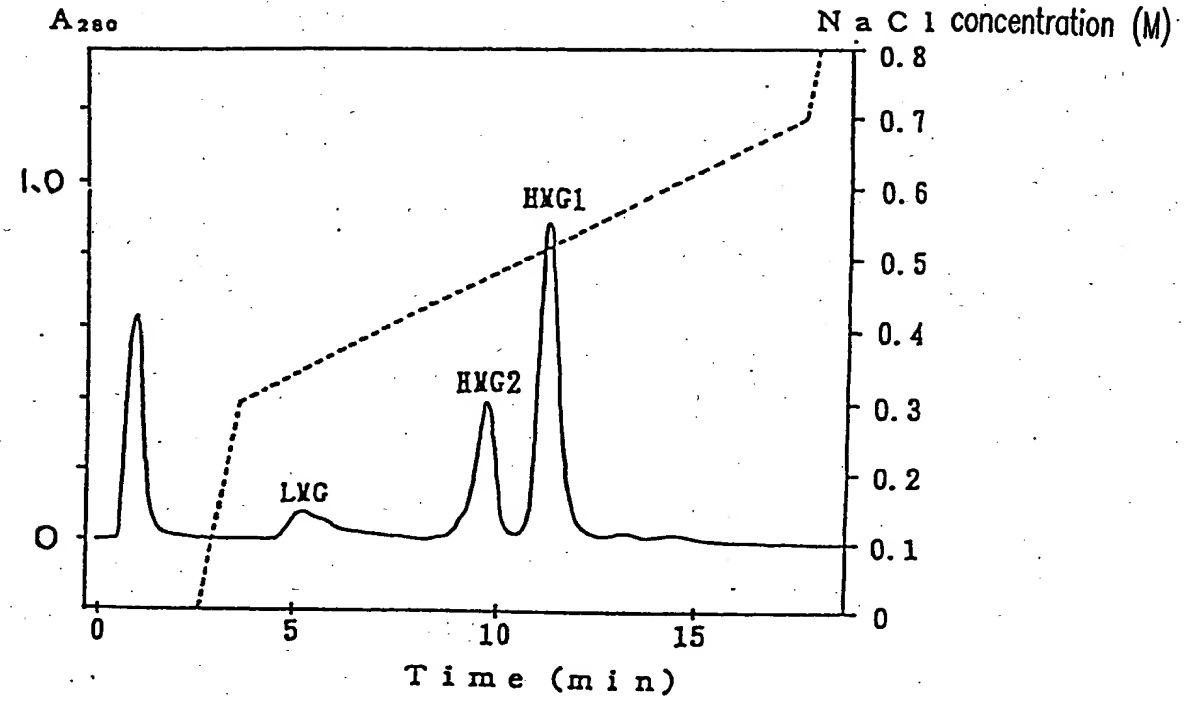
O.G. FIG.
CLASS SUBCLASS

FIG. 8



WO 98/56915 PCT/JP98/02750

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FIG. 9

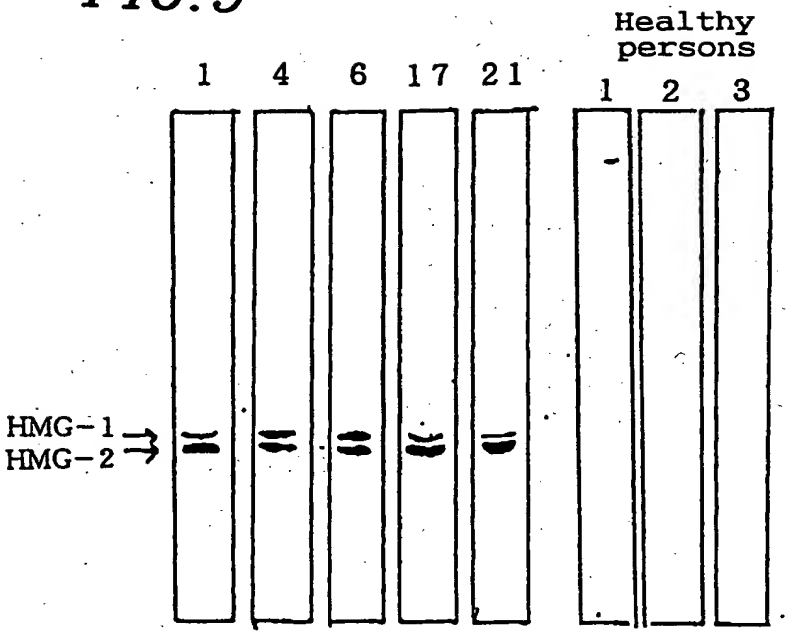

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FIG. 10

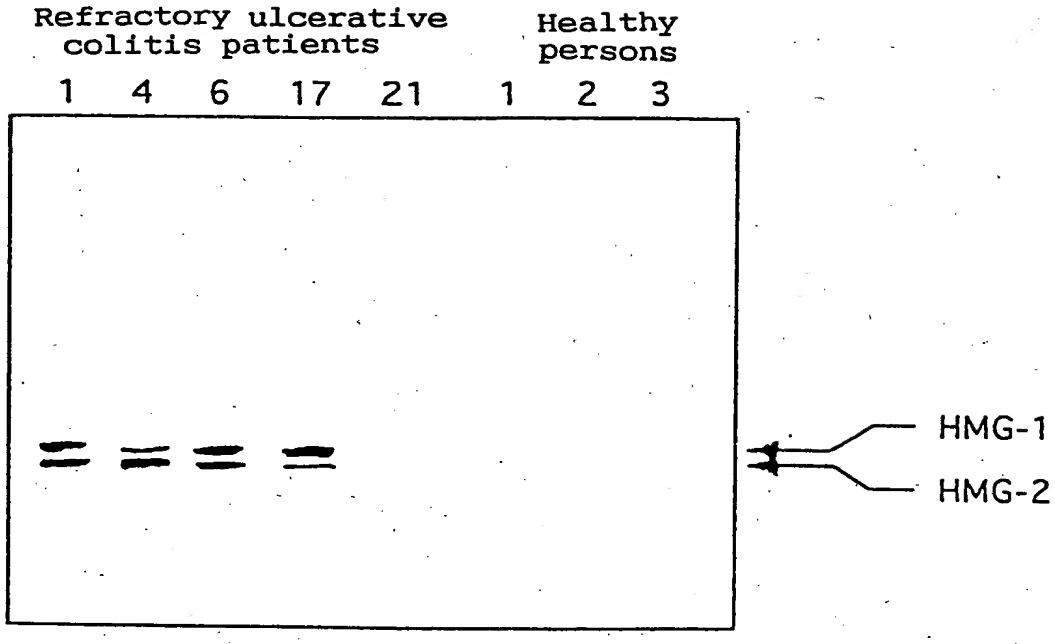

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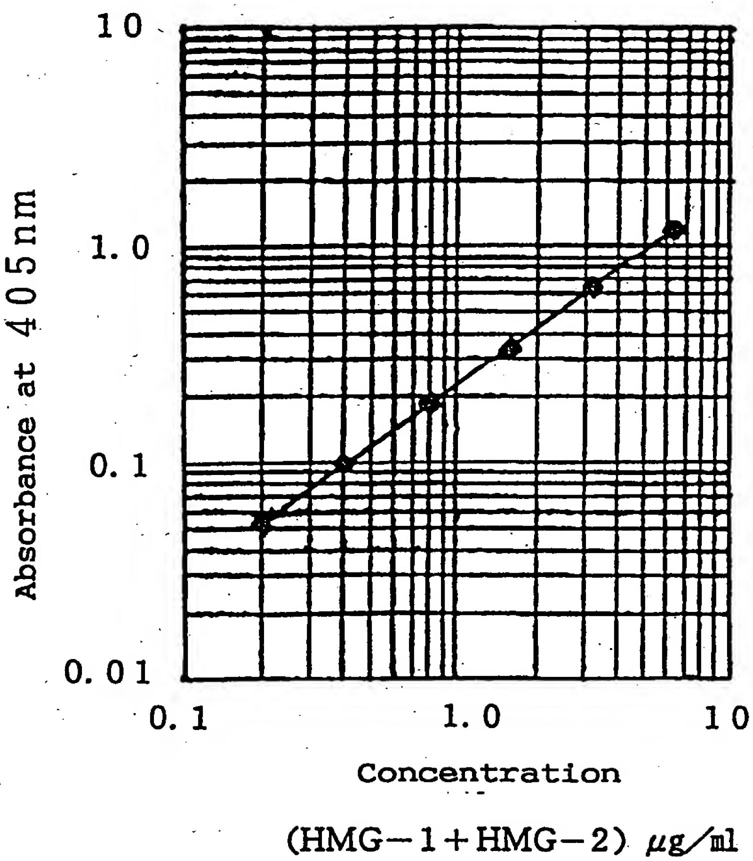
FIG. 11



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WO 98/00560 PCT/EP97/03260

FIG. 12-1

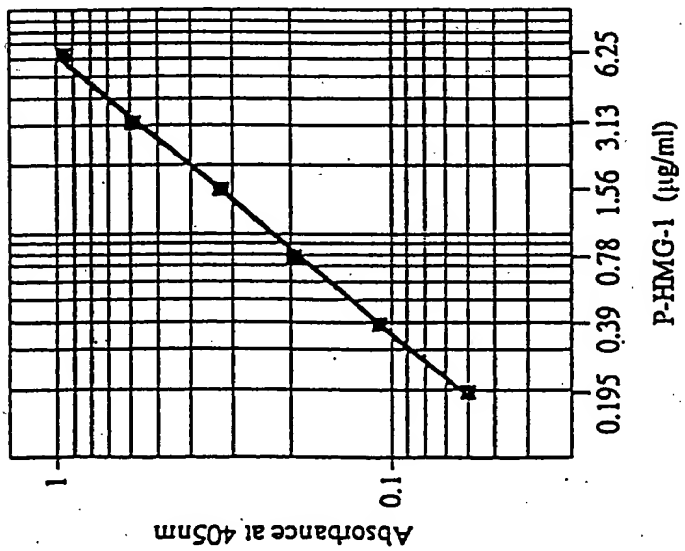


FIG. 12-2

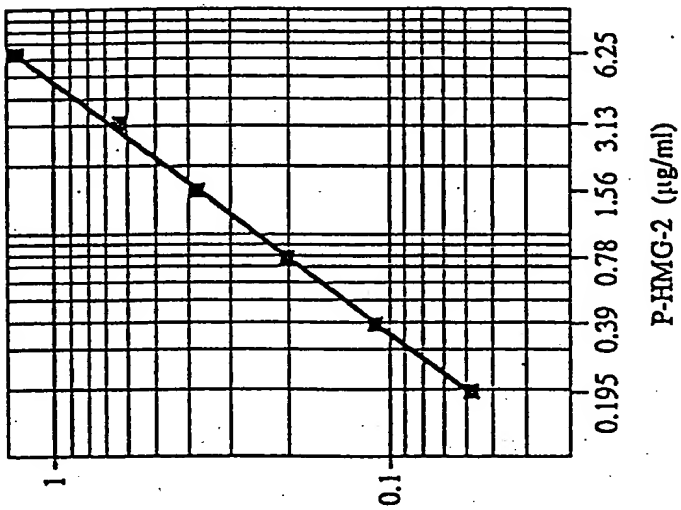
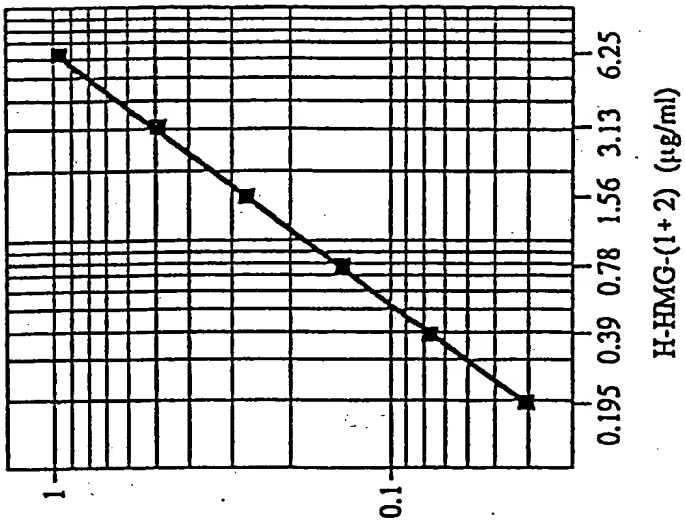
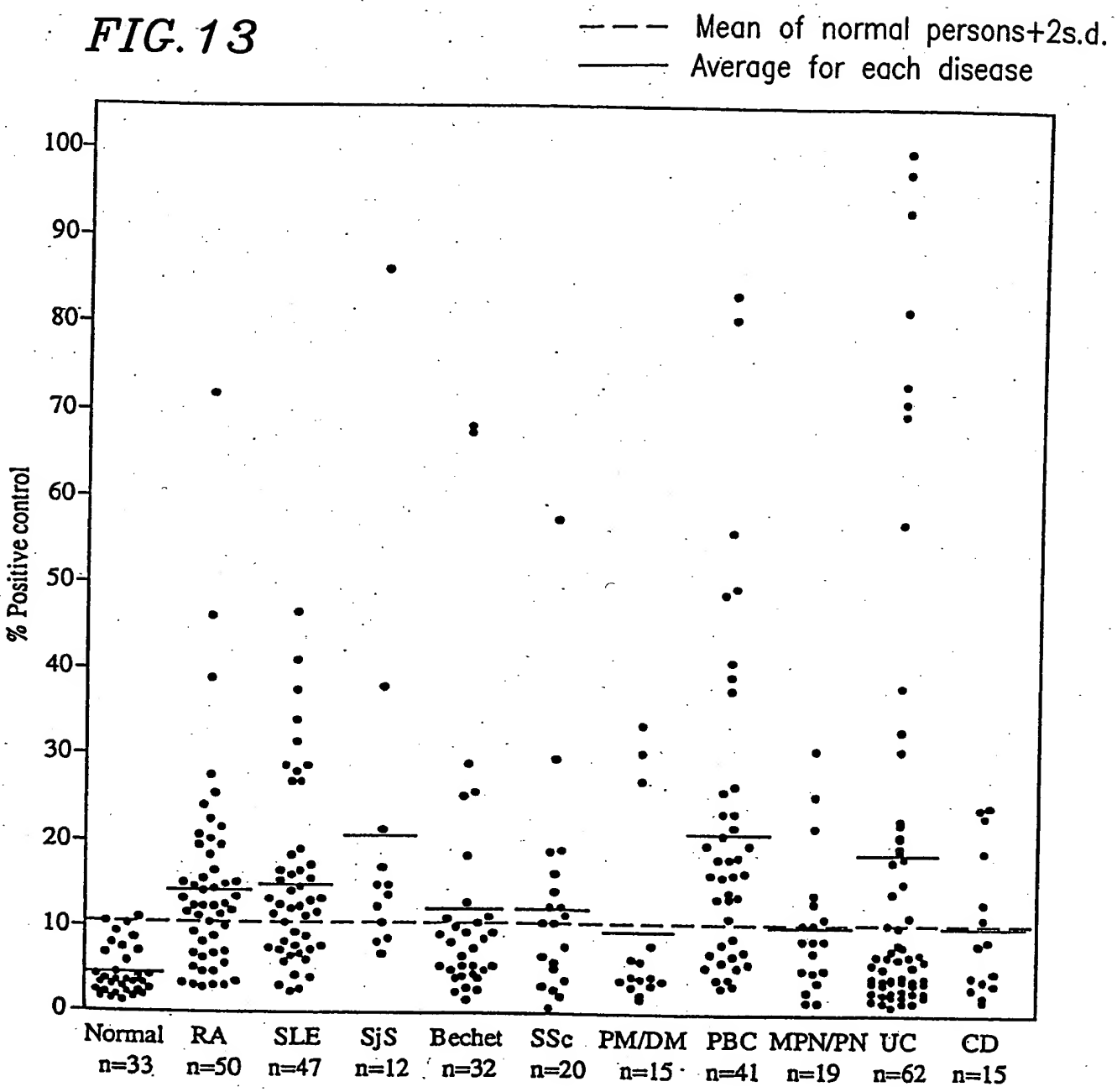


FIG. 12-3



APPROVED BY DRAFTSMAN | U.S. FIG. | CLASS | SUBCLASS

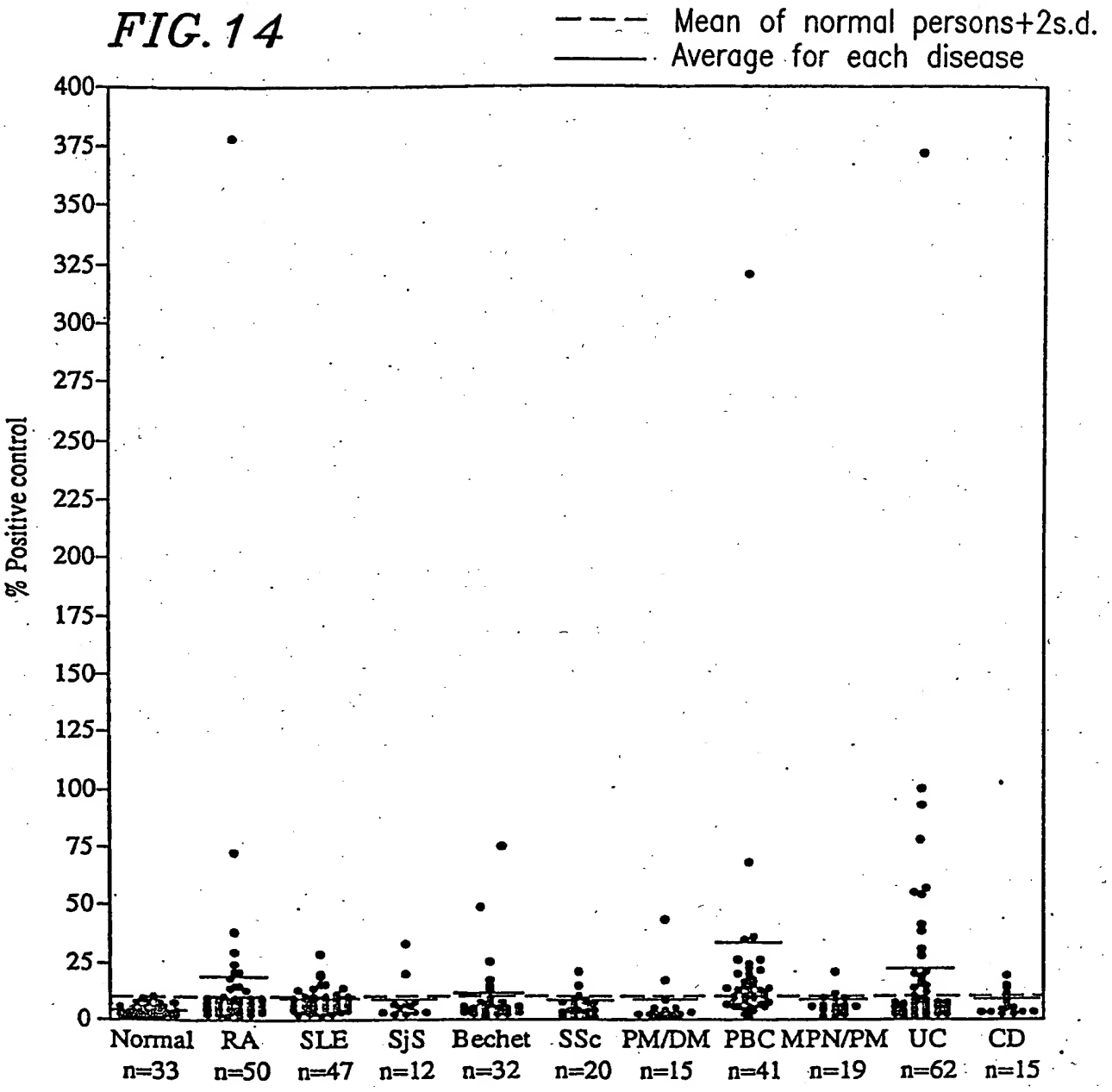
FIG. 13



09214881 T88h1260

APPROVED BY DRAFTSMAN
O.G. FIG.
OFFICE CLASS

FIG. 14



09/214881 T88+T260

APPROVED O.G. FIG.
BY CLASS SUBCLASS
DRAFTSMAN

09/214881

FIG. 15


```
Human     1 GKGDPKKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKT  50
            ||||||||||||||||||||||||||||||||||||||||||||||||||
Porcine   1 GKGDPKKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKT  50
            ||||||||||||||||||||||||||||||||||||||||||||||||||
Bovine    1 GKGDPKKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKT  50
            ||||||||||||||||||||||||||||||||||||||||||||||||||
Rat       1 GKGDPKKPRGKMSSYAFFVQTCREEHKKKHPDASVNFSEFSKKCSERWKT  50

Human    51 MSAKEKGKFEDMAKADKARYEREMKTYIPPKGETKKKFKDPNAPKRPPSA 100
            ||||||||||||||||||||||||||||||||||||||||||||||||||
Porcine  51 MSAKEKGKFEDMAKADKARYEREMKTYIPPKGETKKKFKDPNAPKRPPSA 100
            ||||||||||||||||||||||||||||||||||||||||||||||||||
Bovine   51 MSAKEKGKFEDMAKADKARYEREMKTYIPPKGETKKKFKDPNAPKRPPSA 100
            ||||||||||||||||||||||||||||||||||||||||||||||||||
Rat      51 MSAKEKGKFEDMAKADKARYEREMKTYIPPKGETKKKFKDPNAPKRPPSA 100

Human   101 FFLFCSEYRPKIKGEHPGLSIGDVAKKLGEMWNNTAADDKQPYEKKAAKL 150
            |||||||||||||||||||||||||||||||||||||||| |||||||||
Porcine 101 FFLFCSEYRPKIKGEHPGLSIGDVAKKLGEMWNNTAADDKHPYEKKAAKL 150
            ||||||||||||||||||||||||||||||||||||||||||||||||||
Bovine  101 FFLFCSEYRPKIKGEHPGLSIGDVAKKLGEMWNNTAADDKQPYEKKAAKL 150
            ||||||||||||||||||||||||||||||||||||||||||||||||||
Rat     101 FFLFCSEYRPKIKGEHPGLSIGDVAKKLGEMWNNTAADDKQPYEKKAAKL 150

Human   151 KEKYEKDIAAYRAKGKPDAAKKGVVKAEKSKKKKEEEEDEEDEEDEEEEE 200
            ||||||||||||||||||||||||||||||||||||||||||||||||||
Porcine 151 KEKYEKDIAAYRAKGKPDAAKKGVVKAEKSKKKKEEEEDEEDEEDEEEEE 200
            ||||||||||||||||||||||||||||||||||||||||||||||||||
Bovine  151 KEKYEKDIAAYRAKGKPDAAKKGVVKAEKSKKKKEEEEDEEDEEDEEEEE 200
            ||||||||||||||||||||||||||||||||||||| ||||||||||||
Rat     151 KEKYEKDIAAYRAKGKPDAAKKGVVKAEKSKKKKEEEDDEEDEEDEEEEE 200

Human   201 DEEDEDEEEDDDDE 214
            ||||| ||||||||
Porcine 201 DEEDEEEEEDDDDE 214
            ||||| ||||||||
Bovine  201 DEEDEEEEEDDDDE 214
             |||||||||||||
Rat     201 EEEDEDEEEDDDDE 214
```

Comparison among human, porcine, bovine and rat HMG-1
"|" indicates the same amino acid with that of human HMG-1.

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APPROVED BY DRAFTSMAN | O.G. FIG. | CLASS | SUBCLASS

FIG. 16

```
Human   1 GKGDPNKPRGKMSSYAFFVQTCREEHKKKHPDSSVNFAEFSKKCSERWKT 50
          ||||||||||||||||||||||||||||||||||||||||||||||||||
Porcine 1 GKGDPNKPRGKMSSYAFFVQTCREEHKKKHPDSSVNFAEFSKKCSERWKT 50
          |||||||||||||||||||| |||||||||| ||||   |    |||||
Bovine  1 GKGDPNKPRGKMSSYAFFVQTSREEHKKKHPDASVNF---S----ERWKT 50
          ||||||||||||||||||||||||||||||||||||||||||||||||||
Rat     1 GKGDPNKPRGKMSSYAFFVQTCREEHKKKHPDSSVNFAEFSKKCSERWKT 50

Human  51 MSAKEKSKFEDMAKSDKARYDREMKNYVPPKGDKKGKKKDPNAPKRPPSA 100
          ||||||||||||||||||||||||||||||||||||||||||||||||||
Porcine 51 MSAKEKSKFEDMAKSDKARYDREMKNYVPPKGDKKGKKKDPNAPKRPPSA 100
          ||||||||||||||||||||||||||||||||||||||||||||||||||
Bovine  51 MSAKEKSKFEDMAKSDKARYDREMKNYVPPKGDKKGKKKDPNAPKRPPSA 100
          ||||||||||||||||||||||||||||||||||||||||||||||||||
Rat     51 MSAKEKSKFEDLAKSDKARYDREMKNYVPPKGDKKGKKKDPNAPKRPPSA 100

Human  101 FFLFCSEHRPKIKSEHPGLSIGDTAKKLGEMWSEQSAKDKQPYEQKAAKL 150
          ||||||||||||||||||||||||||||||||||||||||||||||||||
Porcine 101 FFLFCSEHRPKIKSEHPGLSIGDTAKKLGEMWSEQSAKDKQPYEQKAAKL 150
          ||||  |||||||| ||||||||||||||||||||||||||||||||| ||
Bovine  101 FFLFSAEHRPKIKAEHPGLSIGDTAKKLGEMWSQQSAKDKQPYEQKASKL 150
          ||||||||||||||||||||||||||||||||||||||||||||||||||
Rat     101 FFLFCSEHRPKIKSEHPGLSIGDTAKKLGEMWSEQSAKDKQPYEQKAAKL 150

Human  151 KEKYEKDIAAYRAKGKSEAGKKGPGRPTGSKKKNEPEDEEEEEEEE-DED 199
          |||||||||||||||| ||||||||||||||||||||||||||||| |||
Porcine 151 KEKYEKDIAAYRAKGKGEAGKKGPGRPTGSKKKNEPEDEEEEEEEEDED 200
          ||||||| ||||||||||||||||||||||||||||||||||
Bovine  151 KEKYEKX-AAYRAKGKSEAGKKGPGRPTGSKKKNEPEDEEEEEE..... 200
          |||||||||||||||||| |||||||||||||||||||||||| |||
Rat     151 KEKYEKDIAAYRAKGKSEVGKKGPGRPTGSKKKNEPEDEEEEEEEDDED 200

Human  200 EEEEDEDEE 208
          |||||||||
Porcine 201 EEEEDEDEE 209

Bovine  201 .........
          |||||||||
Rat     201 EEEEDEDEE 209
```

Comparison among human, porcine, bovine and rat HMG-2
"|" indicates the same amino acid with that of human HMG-2.

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